

SEQUENCE LISTING

<110> Kim, Jin-Soo
 Kwon, Young Do
 Kim, Hyun-Won
 Ryu, Eun-Hyun
 Hwang, Moon-Sun

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Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His
      35           40           45
Leu Thr Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys
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tgt ccc tca aac ctt cga agg cat gga agg act cac acc ggc gag aaa      96
Cys Pro Ser Asn Leu Arg Arg His Gly Arg Thr His Thr Gly Glu Lys
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Pro Arg

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      20           25           30
Pro Arg

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Arg Arg His Glu Lys Thr His
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<213> Homo sapiens
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acc cgc cac cag aaa atc cac 69
Thr Arg His Gln Lys Ile His
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aga aga cat gag aaa act cac 69
Arg Arg His Glu Lys Thr His
20

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 Val Arg His Lys Arg Thr His
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 Val Arg His Lys Arg Thr His
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 Ile Arg His Gln Arg Thr His
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<210> 47
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 Phe Glu Cys Lys Asp Cys Gly Lys Ala Phe Ile Gln Lys Ser Asn Leu
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 Ile Arg His Gln Arg Thr His
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 Ile Arg His Gln Arg Thr His
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 Ile Val His Gln Arg Thr His
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 Thr Val His Gln Lys Ile His
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Gly Val His Gln Arg Thr His
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att cgc cac cag cgg aca cac 69
Ile Arg His Gln Arg Thr His
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 Gly Arg His Lys Arg Thr His
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<210> 61

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 Gly Arg His Lys Arg Thr His
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<211> 69

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<222> (1)...(69)

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act aga cat aag ata gtt cat
 Thr Arg His Lys Ile Val His
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<210> 63

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<210> 67..
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 Arg Arg His Glu Thr Thr His
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<223> Xaa = any amino acid; 2-5 amino acids in length

<221> VARIANT

<222> 2, 6-8, 10, 12, 16

<223> Xaa = any amino acid

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<222> 1, 9

<223> Xaa = Phe or Tyr

<221> VARIANT

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<223> Xaa = hydrophobic residue

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<222> 19

<223> Xaa = any amino acid; 3-5 amino acids in length

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 Arg His Xaa His
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<210> 69

<211> 20

<212> PRT

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<223> Xaa = any amino acid; 2-5 amino acids in length

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<223> Xaa = Phe or Tyr

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 <223> Xaa = hydrophobic residue

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 <223> Xaa = any amino acid; 3-5 amino acids in length

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 <223> Xaa = hydrophobic residue

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<212> PRT

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<223> Xaa = any amino acid; 2-5 amino acids in length

<222> 2, 6-8, 10, 12, 16

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<223> Xaa = Phe or Tyr

<222> 15

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<223> Xaa = any amino acid; 3-5 amino acids in length

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Arg His Xaa His
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<223> Xaa = any amino acid; 2-5 amino acids in length

<221> VARIANT

<222> 2, 6-8, 10, 12, 16

<223> Xaa = any amino acid

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<222> 1, 9

<223> Xaa = Phe or Tyr

<221> VARIANT

<222> 15

<223> Xaa = hydrophobic residue

<221> VARIANT

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<223> Xaa = Phe, Tyr, Val, or Cys

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 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<400> 78
 Thr Gly Xaa Xaa Pro Xaa
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<400> 80
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30

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<223> primer for PCR

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 or A

<400> 81

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 A or T; y = T or C

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<210> 83

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<223> Xaa = Glu or Gln

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<222> 5

<223> Xaa = Lys or Arg

<221> VARIANT

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<223> Xaa = Tyr or Phe

<400> 83

His Thr Gly Xaa Xaa Pro Xaa

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atcttctatc acaag 75

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<400> 86
ctagaccgga gaattcgtcg acg 23

<210> 87
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<400> 87
gatccgtcga cgaattcccg ggt 23

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<210> 98

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<210> 100

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<210> 101
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<220>
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 1 5 10 15

48

att cga cat cac aaa ctt cac
 Ile Arg His His Lys Leu His
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69

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 <211> 23
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 <213> Homo sapiens

<400> 103
 Tyr Lys Cys Lys Glu Cys Gly Gln Ala Phe Arg Gln Arg Ala His Leu
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 Ile Arg His His Lys Leu His
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 <222> (1)...(69)

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 Tyr Lys Cys His Gln Cys Gly Lys Ala Phe Ile Gln Ser Phe Asn Leu
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cga aga cat gag aga act cac 69
 Arg Arg His Glu Arg Thr His
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<210> 105
 <211> 23
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<400> 105
 Tyr Lys Cys His Gln Cys Gly Lys Ala Phe Ile Gln Ser Phe Asn Leu
 1 5 10 15
 Arg Arg His Glu Arg Thr His
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 <222> (1)...(69)

<400> 106
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 1 5 10 15

ctc cgc cac att aaa ctg cac 69
 Leu Arg His Ile Lys Leu His
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<210> 107
 <211> 23
 <212> PRT
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<221> misc_feature
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 1 5 10 15

act aca cat aag ata att cat 69
 Thr Thr His Lys Ile Ile His
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 Tyr Lys Cys Glu Glu Cys Gly Lys Ala Phe Arg Gln Ser Ser His Leu
 1 5 10 15
 Thr Thr His Lys Ile Ile His
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1 5 10 15 69

aat gtg cac aaa aga act cac
Asn Val His Lys Arg Thr His
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<211> 23
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<400> 113
Tyr Glu Cys Asp His Cys Gly Lys Ser Phe Ser Gln Ser Ser His Leu
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Tyr Met Cys Ser Glu Cys Gly Arg Gly Phe Ser Gln Lys Ser Asn Leu
1 5 10 15

atc ata cac cag agg aca cac 69
Ile Ile His Gln Arg Thr His
20

<210> 115
<211> 23
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<213> Homo sapiens

<400> 115
Tyr Met Cys Ser Glu Cys Gly Arg Gly Phe Ser Gln Lys Ser Asn Leu
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Ile Ile His Gln Arg Thr His
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<210> 116
<211> 69
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1 5 10 15

69

act cgc cac caa cgc acc cac 69

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Tyr His Cys Asp Trp Asp Gly Cys Gly Trp Lys Phe Ala Arg Ser Asp
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1 5 10 15

gag tta acc agg cac ttc cga aag cac 75
Glu Leu Thr Arg His Phe Arg Lys His

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gag ctg gcg cgg cac tac cgc aca cac 75
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 Glu Leu Thr Arg His Tyr Arg Lys His
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 1 5 10 15
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 Lys Thr His Thr Arg Thr His
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 Lys Ile His Met Arg Lys His
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<400> 143
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 atc aga cat cag agg aca cac 69
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 Ile Arg His Gln Arg Thr His
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 ata agg cat cga aga act cac 69
 Ile Arg His Arg Arg Thr His
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 Tyr Leu Cys Ser Glu Cys Asp Lys Cys Phe Ser Arg Ser Thr Asn Leu
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Ile Arg His Arg Arg Thr His
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<223> Xaa = any amino acid; 2-5 amino acids in length

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<223> Xaa = any amino acid; 3-5 amino acids in length

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Arg His Xaa His
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Ile His Xaa His
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Arg His Xaa His
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1 5 10 15

Arg His Xaa His
20